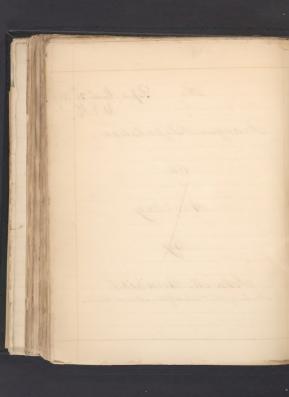
An Paped Manh 20 1827 W. E. H. Inaugural Difortation an Apoplexy John M. Bernhisel Member of the Philadelphia Medical Society.



20

Of Chapman, M.D.

Profesor of the Institutes and Practice of Physic and Clinical Practice in the Variousity of Penneylvania;

And

Thomas C. Tames M.D. . Fort for of Midwifery in the University of Pennsylvania;

eds a small tribute of gratitude for the friendship and politicus you have on so many occasions shown me,

This Difertation

Is most respectfully Insuribed Coy your sincere and much Oblidged friend,
The couthor.

Odn

Inaugural Diportatition

an

Apoplexy.

Definition.

experies; is that disease in which the animal functions are suspended, while the vital and natural functions continue; respiration being in general difficult and laborious, and frequently altended with a preculiar varies; called startrang

History.

At attacks either sex, and no age is entirely exempt

It is supposed that persons who are of a particular formation of body, are piculiarly predisposed to this direful malady, most usually those who have large heads and short thick necks, more especially if there be much irritability in their muscular and nervous systems.

Descons who are of a flithoric habit, and those who have led an inactive and redentary life, made use of a full dist, and indulged in frequent into ication, are more subject to this disease than others.

It is observed that apoplery occurs most fre , quently in cold winters, or in warm springs

which have been preceded by cold winter. Here may be some grounds for such an opinion, but it is well known to every physician who is the least commercant with this disease; that it may happen at every season of the year.

this disease generally comes on very suddenly and the patient falls to the ground, and lies as in a deep elsep, from which he cannot be rewest he is for the most part, totally first woluntary motion; and frequents an entire such enriem of the intellectual functions takes place; the is sendimes a lofe of sense and motion an one side, whilst the other of floor facts on unlied. The jaw prills the tongue; whilst the other of tempations, and the tenges wheeld is in a state of tempaticules on the teeth, and the patient sometimes from at the march; the face is flushed and has absented appearance; the replicable about the head, for tempations, on the neck and temples, are distincted



with a cod, to sure so, that a sense has a flower a com the ser, usual, and sars, where we wind the the contents and a coid, to the colored the and a coid, to color are brinded as a become and, and the contents are been the three as a brinded as a become the bare above the bare as a classe and the beautiful and the colored the bare as a classe and the bare being above

The sure is according to it, being, and ring, see chance it is much, commend, and deer, the will be the best towards the homemation of the medical challenges on the selection on the ind.

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langue in sheaking.

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L'invesis.



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isewer, a I was wint, brickers, huncher fling allation. But in a fit a afet in a winer applications broduce no effect.

the come which weresde a fil of whilehow hears a strong exemplance to abother, but may be distinguished from it, it is said, by paying harticular attention to the bernians convulsions.

Intro ication fromwhite hiches heremena so very and event to there of the disease, that then have course of the disease, that even have second of second and as persons, to some account course so agrees. Men the bear owner arises your enter earlies in the bear of the strength of the course improperative with the smell of the lives on when constituted with the most contained which is most contained with of the smell of the lives of the course constituted the most contained which of the strength of the lives of the course course are a lives and we he the hand,



when they are for twent on i more which do not a found the dicharques him he are will be more a first the more a first the more a first the more a first the course, from the state of the line as to burden for and tourism, he man wait to so so were herers, in south one more main to so so and herers, in south one more trained.

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The adishonent Caused.

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This is contact for the some increase on the quantity of chipte, wien and mit many thered in The world will gutter the clamaco is unto ded with food I dick, The name i consequence weether over such e lair , that e just, is a semire, sie in the ne sees and ilesone of the andonem, and in impedience to she fill motion of the diaphonym, whereby the lungs are accuented to me in farming them often with care; the lines the Base, the sineus stand cannot chem in freely know the need; then we see for some a the find in mean with their sace stored and lurged, their eyes and, med sometimes a degree of inomerous and their cons are. From the careous expensioners to and in Laters and drenkins wohim, it is enident that they will rech us a brederhasition to this disease. con installed with a full diet has



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A sing rand a said to one in commitment which breaked rose to this discours, and many the of friends of sections of the many while the said to be a for some subtances of the beach, as some suiters, as only we discours for the breaked who were in the continuous of the breaked without in the discourse day to be somewhat of the blood, rather than



accasionina et, a difficult à dele vine.

It shall need is a groward to securious a hadion position to a horomore, they is him to have the the court, or a new to have the heart to have to have the heart, or a horizontal the sample the a lorest to heart, which on the other hand, he where of the heart through the views is more carry interval as

For her tences is membered by medical willing as another medicatering, and is, in medical willing to be rate in covery for the fit to broke a cold to her by the blood of course must recommide and roduce compression of the broken, whereaten because the fourth is to be a your man in well as a great from the head.



Colours to eat to and used with intillation to a driver, be freshering a margined in cular land, which the secretter, broad in the investor so tramilies, can mently time will be a greater still miralion of that their to the head.

For evil and come abolivation of the mind to any one subject, or wealth produces a determination of Placet to the head.

old any actificing to this secure by his teacher a telemination of bland to the head, where a consulte takes from without any consistence without

The Exciting Guests.

They are such howers as either increase the momentum or resociety of blood in its circulation



It sugs to a good of the head, a condition in which we will be a free property to the many to mendioned,

beatent veries, which is supposed to be a very common is citiens causeful ast by in creating the interties of the blood in the owner in couracien.

"beat partially appliced to the head, as in a person is used to the direct rais of the Sun; fursionally produces also horse.

The general application of heat to the body, is a frequent re ceting cause.

irrise in remove cometines weiter parausm

hissent rapions of the mind, as any;



grices, jour of these affects ha licularly to delor mine the flavor of bland to the head, as is smident borne the flavidity of the faces.

Straking some in any length of lame, or living with the kind in a position, in which the grands of he blood in recess its afflue knows the wine.

Any motive and instance is transmission of the service; I produce, the social be to or exercise, the social be consequenced of the head with be, the blood will be relarded in its pagings through the ways from the coglit seders the part, and is cause west into and the claim is frown from the world the claim.



in ier and limiting of the make, lumans, or any consideration imbediment to the free passage of blead in the internal jugularneines, well excell abobtery.

list some intericulary, and food of difficult disestion in the Homach, will sametimes bring an a fet of the disease.

Beathing the villated our in a crawded afremally will frequently securious aport plucy. The various narcotics will sametimes produce a similar effect.

is conting eaces, as the contents of the abdominal discora are in this case, reclerate comprofeed, the deaphragm and muscles of the abdomen are conventing, consequently the second in the assenders were cana will



be sent with more some to the ight side of the heart, There's imbeding the discharge of broad from the descending in a sava, and the descending as to will also be in some degree combrefsed, ... i de con rese ner a much goodle let miration of Hood to the head; while at the same time the sexperation being obstructed during romiting, the bland which brish o' the right ventriels I to hear!, is impeded and cannot be die harged into the pulms are we per in home the venaus blood returning from the and a statemeted, while there is at the same time a considerable an autily sent to the head in the larger atteress, and apoliticis of resund by the consequence from a richture of and se travasation of blood from some of the in how of in brain.

of eximale Cause.



"we we should time site of shires amongst beriverians, much would be the procured course of the mark of the science of hereful and send of the science of here been senemi hereing to be mored, at different periods, be recovered for the here investigated periods, to recovered for the here investigated the senemants of the de not appear to be trell for the formated.

Thus seem in we to decreat to brind mit we show to discuss the allering while it is a facility of these who claim no like allering to be here to a mathematic of the seculing, and implementation of the seculing to be hered on hammatical of property, quite the came become to see that the came better the same better that the best of the heady.

Callen supposes the fire in ale cause to be what.



from the beaute to the musical tea unders , metion of the median of the news or the servicent or time the servicent or time it is the formation of the arms of the arms of the arms.

If was the alumin of the bate much regulated as a section in the procumate cause of abolism, is a section in the so below of the brain, where appears to me more concommant to just mains and seems of the behavior, than any which has been advanced on that subject, I that, therefore adopt his theory of the front make course it about in the procure.

30 ognosis.

I hysician should maybe so he make canbious in genera a du which is no in relation with funo able to minution of the during to, in more cases, in causes which broduce in



the diverse sum its cover with such good award, and lete is combined some some officeries remained with most officeries remained with most officeries remained where been employed with migilines and every to more but at a sum times a process of the will always to be more a process, if the will always to be more than a process, if the will always to be into any stronger, contile less, and customer high of the reduced, contile less, and customer high of the reduced, contile less, and customer high of the reduced, and customer higher the reduced, and the reduced of the direct of the reduced, and the reduced of the direct of the reduced of the direct of the

If some and the ellendary up blow in hist, and the strongth of the system and were a having but a to the strong that a the strong that yet a the seminant of the strong that yet are to day, the strong were one much that you was a complaint, or in seminant yet allow, or in some other complaints.



and it is inited that being therein, in much which is all all stone been can me have present in it, and there is a mention.

The gent alie received a warm inal a patient cannot survey a that attack of a let on wirhus u, withlaw to be factacious , gor it is suideal that it entirely dehends in the recourse and duration of the saloy warm, and not on any particular number, and the isatient is to be whenit more or les dangeraux in proportion to The dimensuloin his series. When the pain accounts were slow or new presuent; it is oriend to be un und ivorable sign, and an en your and very weak pure a merall- dentes ap-; vacaino di robuleau. When the waternales musicies of the ances and bladder lared in the commissionent of an attack, il survivante leminale un de ath.



When the stired cases with some of deglutition the danger is here such, as it indicates an attack of great reviewa; and when a great sireal chair seek in the an inco. the worder, e'le san levance sain a culas want is deadly a signama, one such would and duil, the hogerand is a condingly whennouting and a come under such sireum Man we as hot to be a well to to sombiere tion of and our town or menution, and it the grand return, recommend to a whole surface of the hade, the prosted is serve a serverou. It is reserved that coheare discharges of terene containing a sectionent . houlan red coacuation a row he in the and and will interest in a contract in , have been the means of bring ing on a diferbution of the des un.



" indment.

Hur a person has once been so unfortunate as to be attacked with a haravysm of the direct have been him here, has constitution suffer mouth by it, and he is more liable to a recurrence of the decease.

in her clear of the cure of apolicy, we shall devide it into two harts. The first is to touche the most ship or with remedies during the continuous of a haron year; the second, to extrainector those most is refused to the most to do an investigate of a setum.

The remedies most likely to fulfil the first undication we her Larlawers.

12 Bleeding This is to be some dealer en blood.



the wet a care described to and i and with promite werd; wall a love some hour adament a war selve for house and constit esterns, the were in grantai, and decibiles water I swort were adea. in a monta. remark be sais since of & on an expelle with at such the farmer of lust melials must bremundly brown is as which, and "omolinus van craus, as & hould la se he relation or never heactised . Ever onlin. lean may helieve, as an the wills answer. ed he will in a secure to are ar both will, The an entite of bload to be drawn at a time, would show to en a charlier to the ungener of the samplanes, the Lucinio of the bulse, and car delian of the system. Iteding searld at ways he more colicans where the disease has come un from Callo or contusion without



much preser rosen, debilets. Here governed. Helding has been carried as far as the interest changes will admit if, and the sem have with reading the reak, tempthe, and back had of the head, were prove highly beneficial and should mive be smitted.

22 Eurys. They are of the qualist importance, and not not only be removing from the bowle their facial contests, but accurate the bend is relieved in proportion to the granulty of le quied matter the transact. If the pawer of swallacoung remain, some active purpose time should be grown by the mouth, but if the power of against his facility and expections when the administered; they have the effect of classing the bowles, and exciting a degree of circlestion and in blummation in the rections



then thus write the morked action to the part, and diminish the excitement in the brain.

ord bold water is a very power ful means of diminishing the excitment of the relach, and when powered on the fearl may become a very efficacions remedy in the breatment of whichley.

at bool and fresh and is of the estimate infreduced in this disease; therefore the patient who colds of to fichte, to immediately carried into a species was transment, into which coland process may be fally admitted.

3th I is absolutely necessary that in fatind the brains of a such a pasture which exact favors the determination to the head, and all ligatures, expecially the nech-cloth, thould be sheedily removed.



it with the record to applied to the whole head . It is now ears the wand thenid he should be should be should be should be then whole we have the standard to the appear to produce their good offerly by the over ending they recasion.

The Colabbases sem board of mustard, some live, he re-cadish, or one of an elin claims substance, of the all to the have very the land, sont sole of the all, lave proved serve beneze cial in couring and a citing the fallout.

I shall now process to consider the sensities for the se and in the calian. Its apolitic of man account in two or y different states of the constitution, the method of presenting the paray some must be righted accordingly.

All those persons who are of a full and he those



rabit, thened be truperate in calins and drinking; the thould have particular attention to the grantite and suchly of the aliment, and there is have a love for a livery who will be an in the hold before gaing to bed. There who are to to habit of such king, should take food that is loadly and that is both and to have good that is loadly and that is he all

If the patient has been accurate to drink wine, or around spirits of any kind, the should not and willers, and deleted with wester, since their being lighter and life nestritions than here porter, or in seed any matt beginns should therefore be preferred.

Exercise is highly hometicial are presention in this disease, and when und in conjunction with a proper diet, will in a great degree,



peaced in those of the anten; it should be of such a kind as well subject the person action without method of the body on heavying reshiration; therefore walking and riding will be found the most heneficial.

Disolant in sians of the saind, estimately angue, should, by all means, be carefully amounted as the colling amounted by the amounted a guinest, such as any city of the mind, interest application to study, light light affects a band the mock, cold and welfat to the fact to face and the mock, cold and welfat to the first the first the hole, and enacte alion from the holes, homorrhaidal refects, on any the part of the body, and that should be and any policible means in his hower to brough here the customary discharge. If that cannot be effected a ment than recourse.



to an ifew between the shoulders, on a seton in the neek, but great care must be taken not to allow them to dry up without opening some other drain in their stead. Old customs and habits should not be changed suddenly but in a gradual manner. Persons who are of a delicate and weakly habit, and have symptoms of plethara and trangescence in the repels of the head, should observe temperame in eating and drinking, and en deav aur to avaid those causes which accelerate the circulation of the blood; and they ought to use gentle ex craise, and every other means which might have a tendency to restore tone and vigor to the system.

If the precursory symptoms which I formerly mentioned an another occasion, should occur, notwithstanding means have been employed to present them, the person should be bled, take a purge, and live upon an absterniaus diet.



